

## CLAIMS

sub  
applic

5

b. performing of first functions of the first program object on the application data units;

10

d. performing of second functions of the second program object on the first data units;

15

8/5/17

2/27

84.7

Claim

claim 1

claim:

# SECRET

as  
b  
a  
b  
a

program object and supplying data units to a further program object additional functions of the program object are performed.

8. Method according to claim 2 ~~or 3~~, wherein  
 5 step a and/or c also comprises adding or removing information to or from said data units.

9. Method according to claim 3, also comprising dividing data units into data unit parts or uniting data unit parts into data units. *claim 1*

10 10. Method according to ~~any of the preceding claims~~, providing service data units containing one or more data units.

11. Method according to claim 10, referencing data units with a reference to the service data unit. *claim 1*

15 12. Method according to ~~any of claims 1-11~~, also providing a specialized execution environment for communication between the application program and the network device driver program. *claim 1*

20 13. Method according to ~~any of claims 1-12~~, wherein data units are organized in data unit pools adapted to the specific use thereof. *claim 1*

25 14. Method according to ~~any of claims 1-13~~, providing a naming service for mapping between the internal communication mechanism of the hardware and symbolic names. *claim 1*

30 15. System for communication between an application program and a network device driver program and vice versa through intermediate structure software, comprising:

a. a first program object being part of the intermediate structure software and for performing of first functions on data units, said data units being transferred to and from the application program and data units being transferred to and from said first program  
 35 object;

b. a second program object being part of the intermediate structure software and for performing of second functions on said data units, said data units

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16. System according to claim 15, wherein service data units are stored in a memory part using references.

17. System according to claim 15 ~~or 16~~,  
provided with a SDU manager.

18. Method for communication between a network device driver program and an application program through intermediate structure software, comprising the steps of:

a. supplying of first data units from the network device driver program to a first program object or protocol object being part of the intermediate structure software;

b. performing of first functions of the first program object on said first data units;

c. supplying of resulting second data units from the first program object to a second program object being part of the intermediate structure software;

d. performing of second functions of the second program object on the second data units;

e. supplying of resulting application data units from the second program object to said application program.

85.1/ 19. Method according to claim 4, wherein within a queue-object two or more priorities for passing of data units are provided.

add  
B5

add  
B4